

FURNESS S.B. CO LTD

YARD N^o 358.

GENERAL ARRANGEMENT.

S.S. *Temple of the*

MDB. RPT. No. 17674



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Lloyd's Register
Foundation

004145-004152-0144

NO 358.

NOS 356-7-8-9-60.

GENERAL ARRANGEMENT

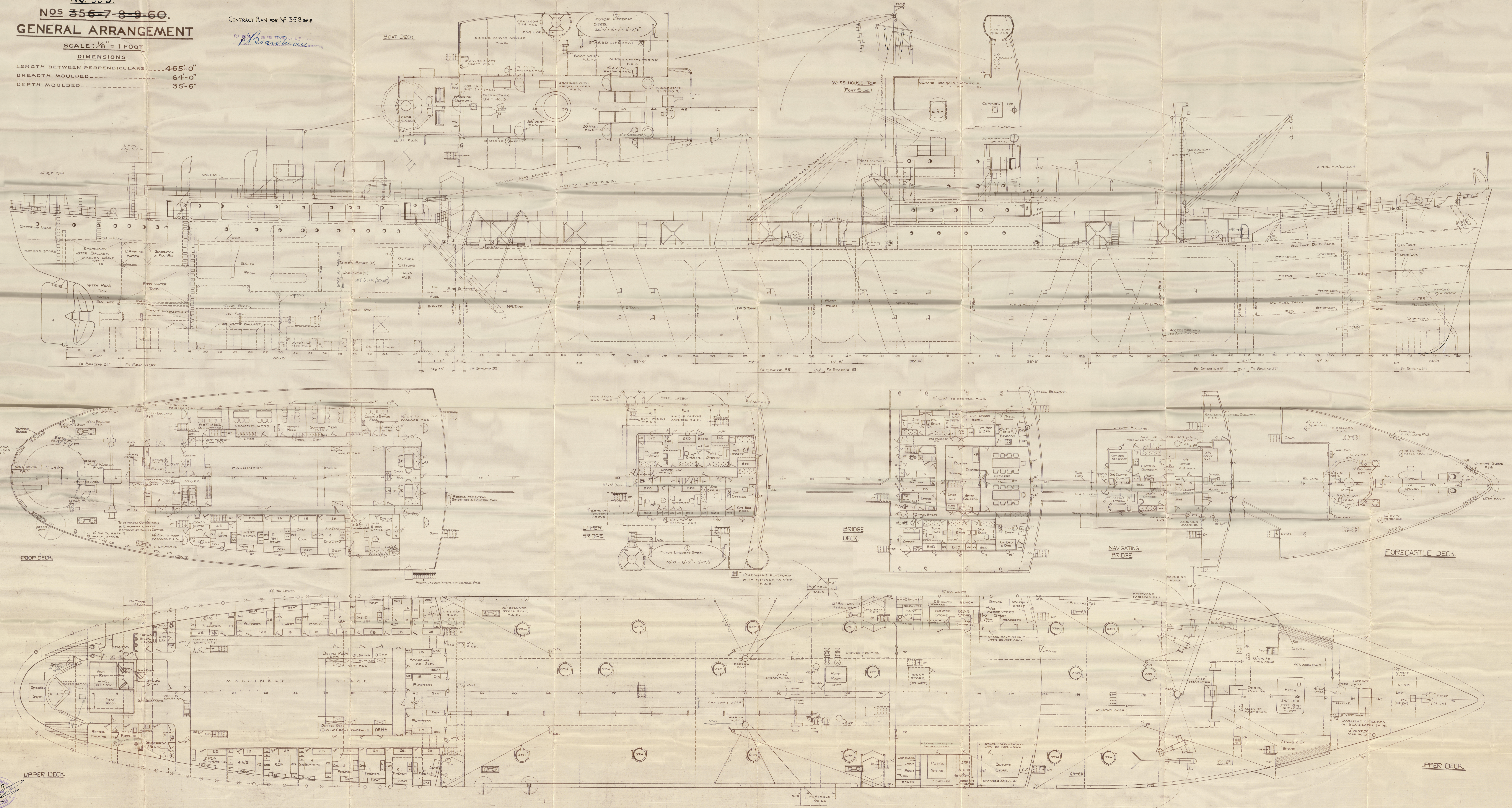
SCALE: 1/8" = 1 FOOT

DIMENSIONS

LENGTH BETWEEN PERPENDICULARS 1465'-0"
BREADTH MOULDED 64'-0"
DEPTH MOULDED 35'-6"

CONTRACT PLAN FOR NO 358 SHIP

By *R. R. Brown* ARCHT. & ENGR.



T. 5838.

11

2

FURNESS S.B.

PROFILE & DECKS.

N^o: 356-7-8-9-60.

16-11-42.

* Wave Victor

S.S. "Empire Bounty" ★
MDB. RPT. No. 14594. W.S. 613

S.S. "Empire Law" ★
MDB. RPT. No. 17621. W.S. 613

S.S. "Empire Melner"
MDB. RPT. No. 17674. W.S. 613

S.S. "Empire Paladin"
MDB. RPT. No. 17701

S.S. "Empire Protector"
MDB. RPT. No. 17736. 16-11-42

PROFILE & DECKS

1-60

11



PROFILE AND DECK PLAN.

SCALE $\frac{1}{8}$ " = 1 FOOT

DIMENSIONS: LENGTH B.P. 465'-0", BREADTH MLD. 64'-0", DEPTH MLD. 35'-6"



356-7-8-9-60

(6)

O. T. BULKD^s

16-11-42

FURNESS S.B. C^o L^{td}

N^o 356-7-8-9-60.

O. T. BULKD^s

16-11-42.

+ Mr Wave Victor

W.S. 613

S.S. "Empire Bounty" ★
MDB. RPT. No. 17594.

S.S. "Empire Law"
MDB. RPT. No. 17621.

S.S. "Empire Miller"
MDB. RPT. No. 17674

S.S. "Empire Paladin"
MDB. RPT. No. 17701

S.S. Empire Protector.
MDB. RPT. No. 17736.

Wave Victor

W.S. 613



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Lloyd's Register
Foundation

010712-010714-0000

(13)

Furness S B Co Ltd

356/7/8-9-60

Stem Construction

18-11-42

(13)

S.S.
MDB. RPT. No.

Wave Conqueror

(13)

004275-004284-0206

7

FURNESS S B Co LTD

Nº 356-7-8-9-60.1-2

STEM CONSTRUCTION.

H-18

18-11-42.

S.S. "Empire Bounty"
MDB. RPT. No. 17594.

S.S. "Empire Law Wave Conqueror"
MDB. RPT. No. 17621

S.S. "Empire Melner"
MDB. RPT. No. 17674

S.S. "Empire Paladi"
MDB. RPT. No. 17701

S.S. "Empire Protector"
MDB. RPT. No. 17736

S.S. "Wave Conqueror"
MDB. RPT. No. 17765

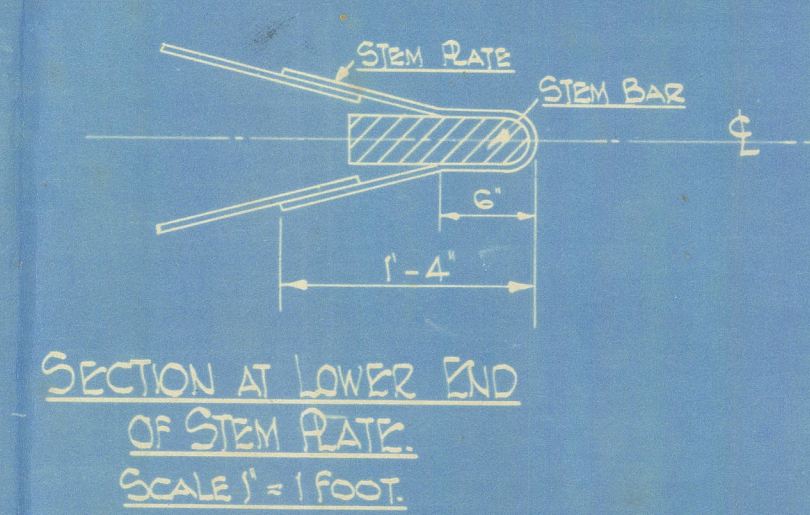
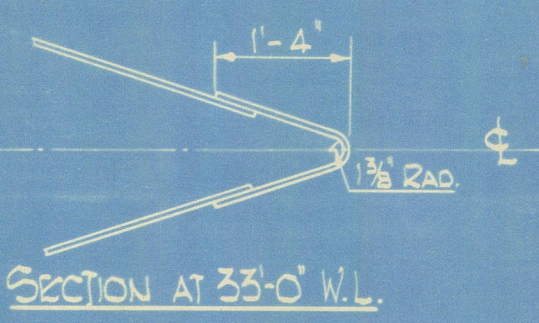
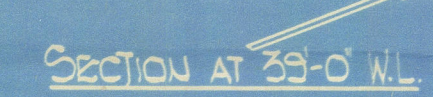
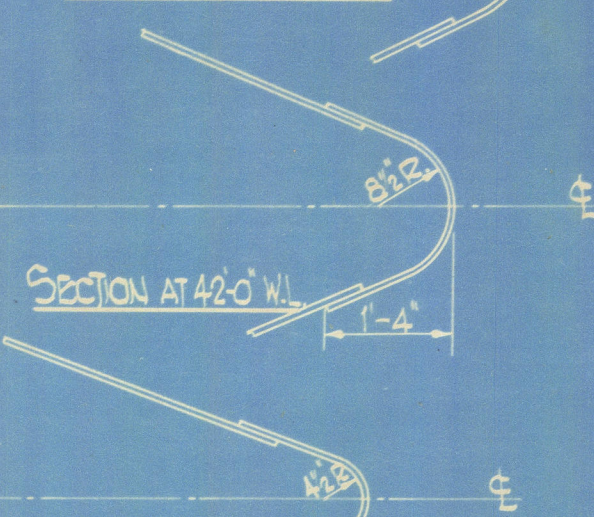
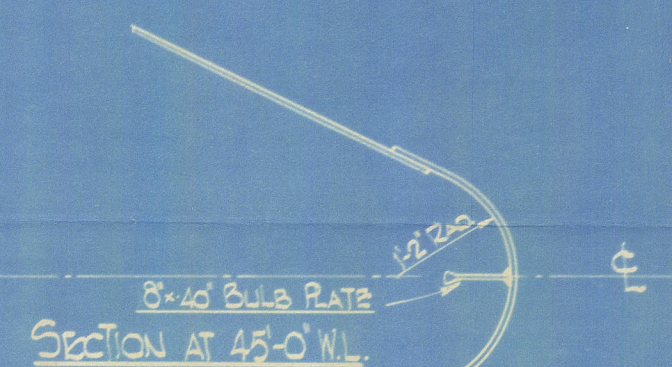
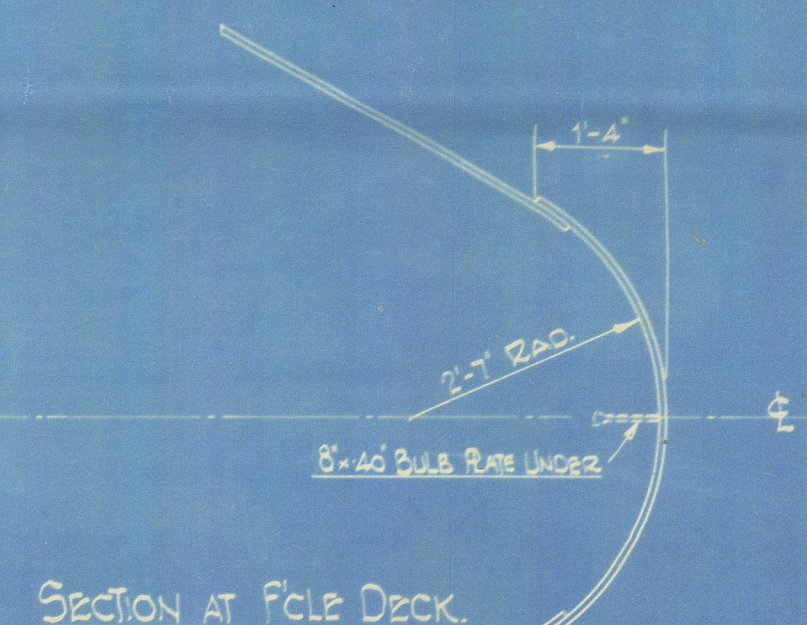
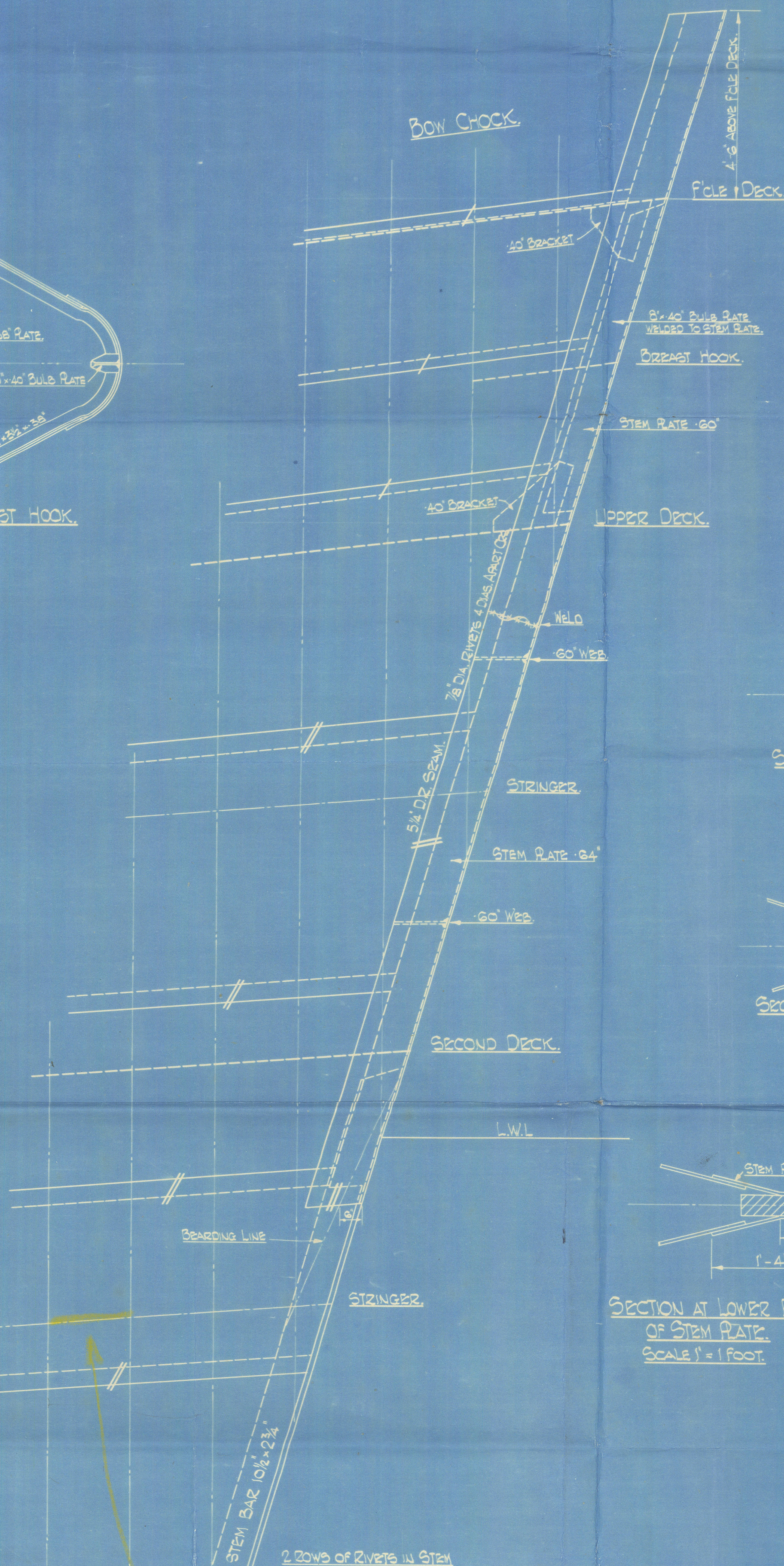
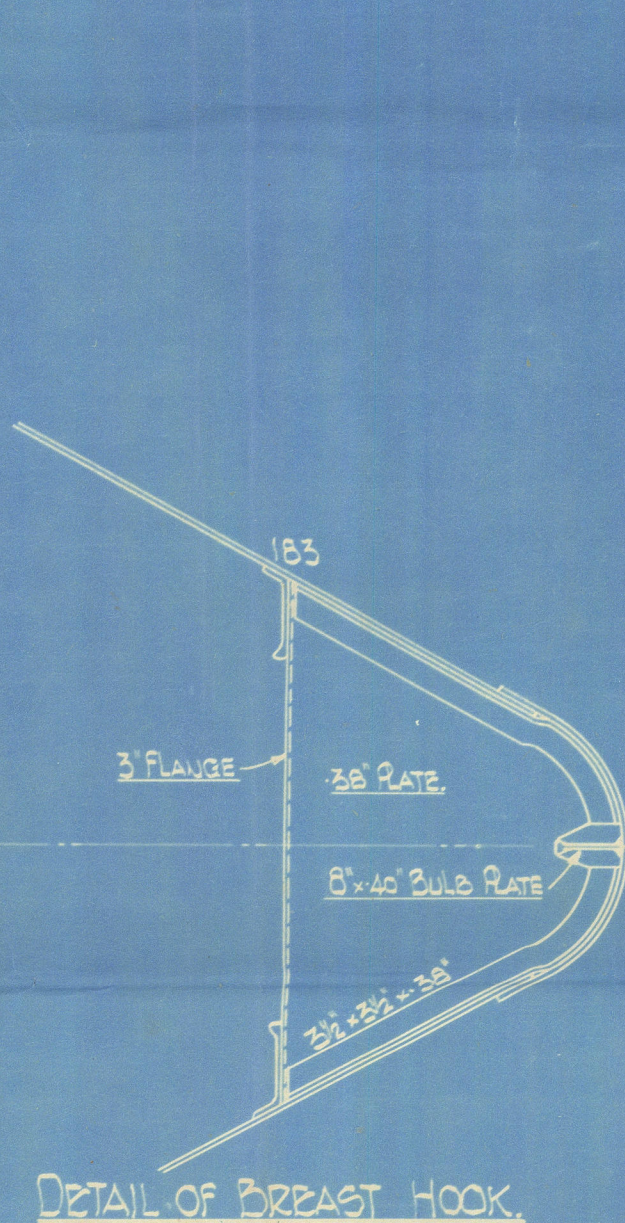
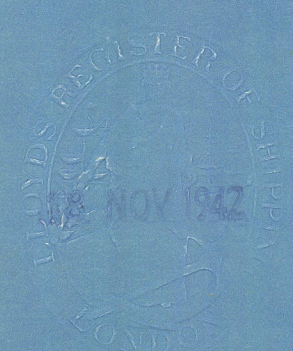
S.S. "Wave Conqueror"
MDB. RPT. No. 17824

Lloyd's Register
Foundation

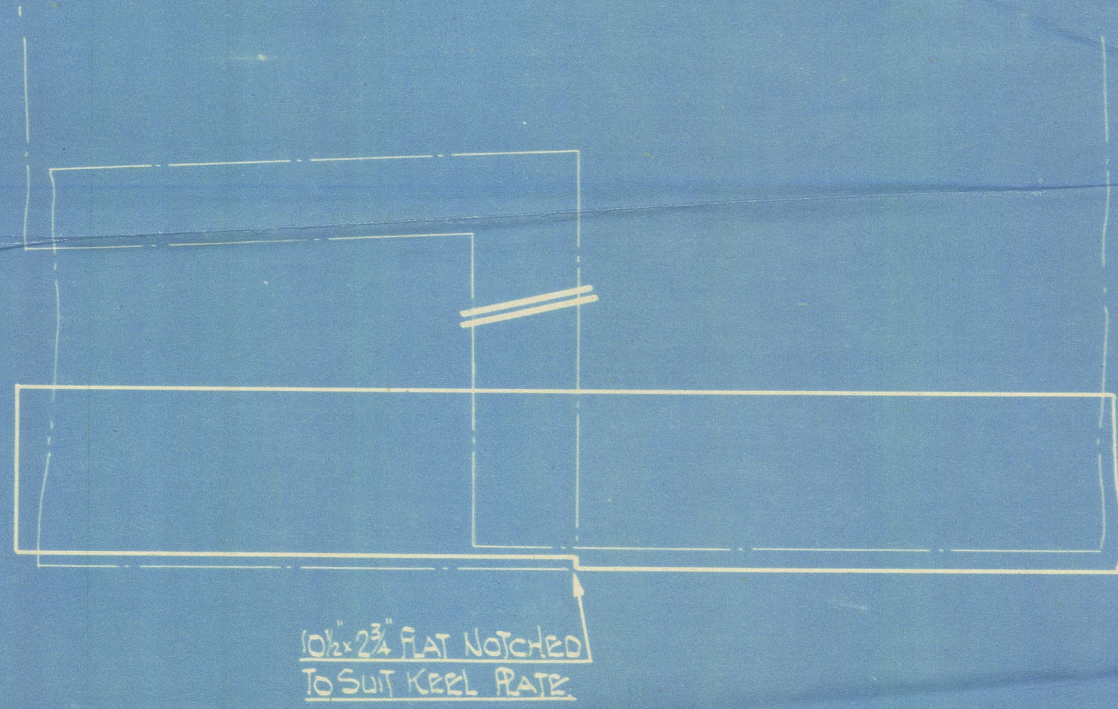
Nos 356-7-8. STEM CONSTRUCTION.

SCALE $\frac{1}{2}" = 1 \text{ FOOT.}$

PLAN No 6.



DETAIL OF NOTCH IN STEM BAR
SCALE 1" = 1 FOOT.

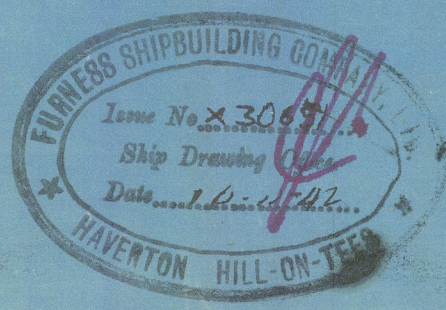
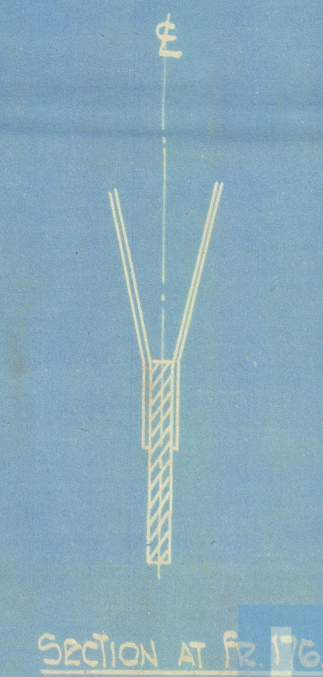
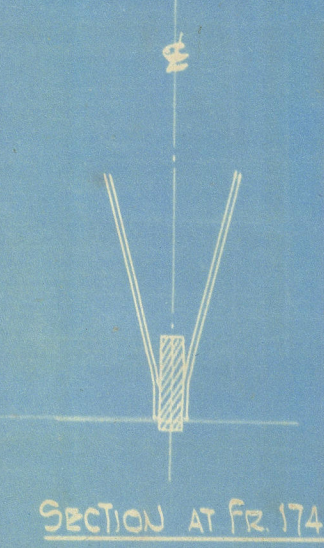
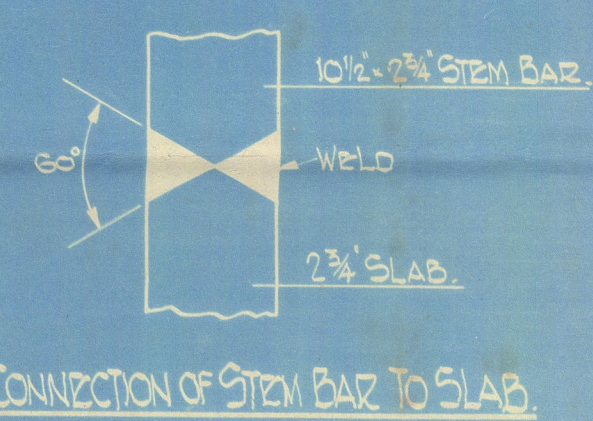


2 ROWS OF RIVETS IN STEM BAR 1\"/>

TIR PLATES 18\"/>

FITTED ACROSS BA. STRINGERS

Nos 2-3-4
N357 EMPIRE LAW (ONLY)



T. No 5561.

19)
FURNESS. S. B. C. L^{TD}

N^o 356.7.8.9.60. ~~EE~~

STERN FRAME.

23-3-43

Wave Victor

S.S. "Empire Bounty"
MDB. RPT. No. 17594.



S.S. "Empire Law"
MDB. RPT. No. 17621

S.S. "Empire Milner"
MDB. RPT. No. 17674

S.S. "Empire Paladdin" } set "as
MDB. RPT. No. 17701. } fitted
plan"

S.S. "Empire Protector"
MDB. RPT. No. 17736.



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010712-010719-0005
Foundation

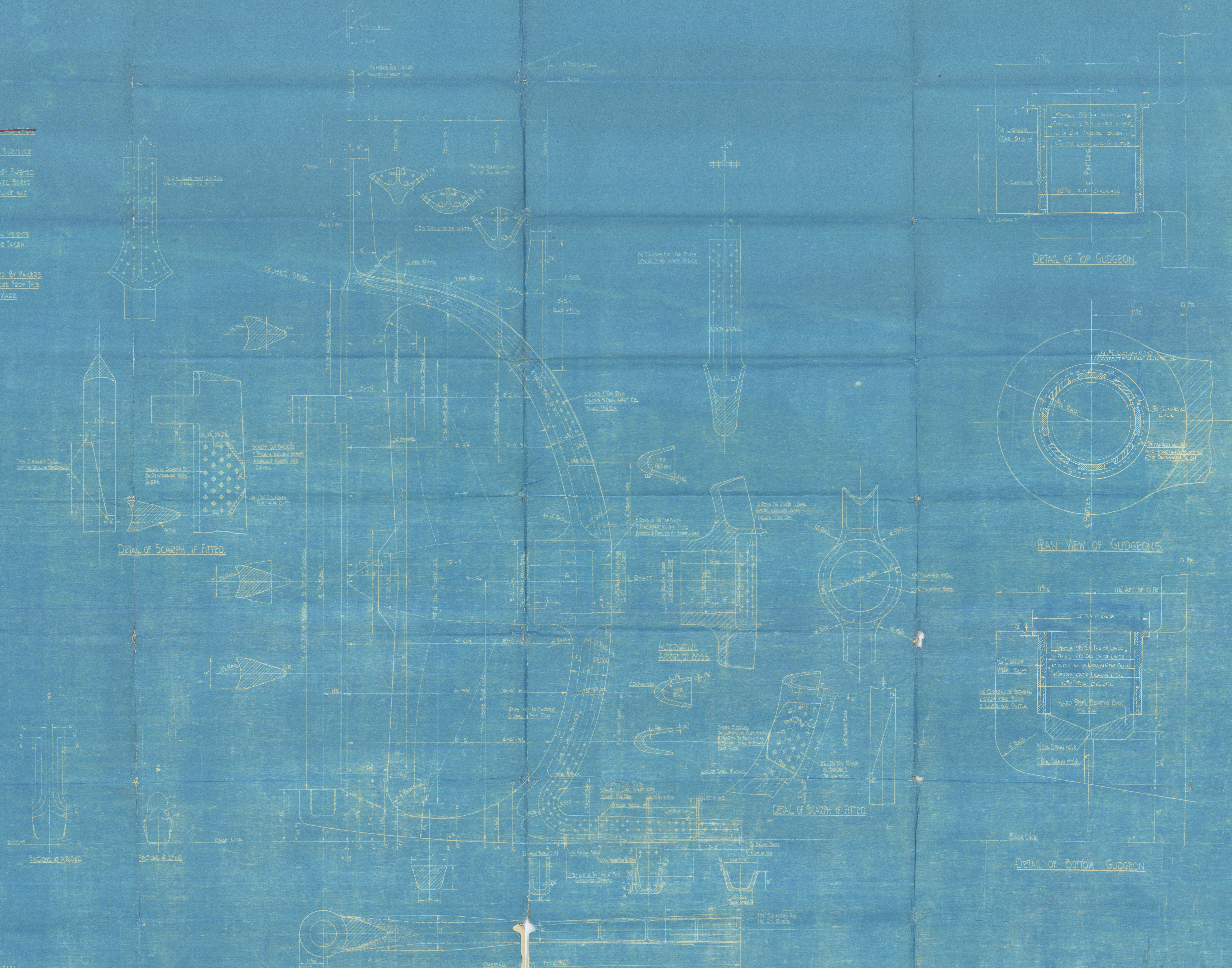
23 MAR 1943

Nº 356-8. STERN FRAME.

Scale - 3/4" = 1 foot.

DEG. Nº 4

3 1/2"
DIMENSIONS - 455.00" x 640.00" x 177.00" (11' 10" x 16' 8" x 14' 10")
FIRST COST: NEARLY 1,000,000 LITROS
TO CLASS: 100,000 LITROS TO BE PASSED BY MAJOR SURVEYOR
BEFORE LEAVING MAKERS WORKS.
MATERIAL - BEST QUALITY CAST STEEL WITH ALL SURFACES SMOOTH FINISHED.
GREAT CARE TO BE TAKEN THAT THE HOLES IN THE GUDGEONS ARE BORED
TO THE DIMENSIONS SHOWN AND THAT THEIR CENTRES ARE IN LINE AND
PERPENDICULAR TO THE BASE LINE.
SCARPHS TO BE MACHINED & TO BE A GOOD FIT.
EXPLODED EDGES OF CASTING TO BE ROUNDED OFF.
DIMENSIONS TO BE CAREFULLY WORKED TO AS WE PAY ONLY ON WEIGHTS
CALCULATED TO THREE SIGNS. WRITTEN DIMENSIONS ONLY TO BE TAKEN.
ALL MACHINING & DRILLING TO BE DONE BY MAKERS.
PATTERNS TO BE SUPPLIED BY MAKERS.
SPACING OF GUDGEONS & GAUGES FOR PINTLES TO BE SUPPLIED BY MAKERS.
MAKERS TO NOTIFY SHIPBUILDERS OF ANY PROPOSED DEPARTURE FROM THIS
DRAWING & SAME TO BE AGREED TO BEFORE CASTINGS ARE MADE.
FRAME NOT TO BE PAINTED BUT MAY BE GIVEN A COAT OF OIL.



T. Nº 5151.

20
FLIRNESS. S. B. C^o/10

N^o 356.78 ~~260.78~~

RUDDER PLAN.

23-3-43

N/W 'Wave Victor'

S.S. "Empire Bounty" *
M.D.B. RPT. No. 17594

S.S. "Empire Law"
M.D.B. RPT. No. 17621

S.S. Empire Milner
M.D.B. RPT. No. 17674

S.S. Empire Paladin
M.D.B. RPT. No. 17701

↑
not filled
in "EMPIRE
'PALADIN"

See letter 15.9.44



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Lloyd's Register
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01002-01079-0004

123 MAR 1945

NOS 356-7 & 8. ~~2460~~

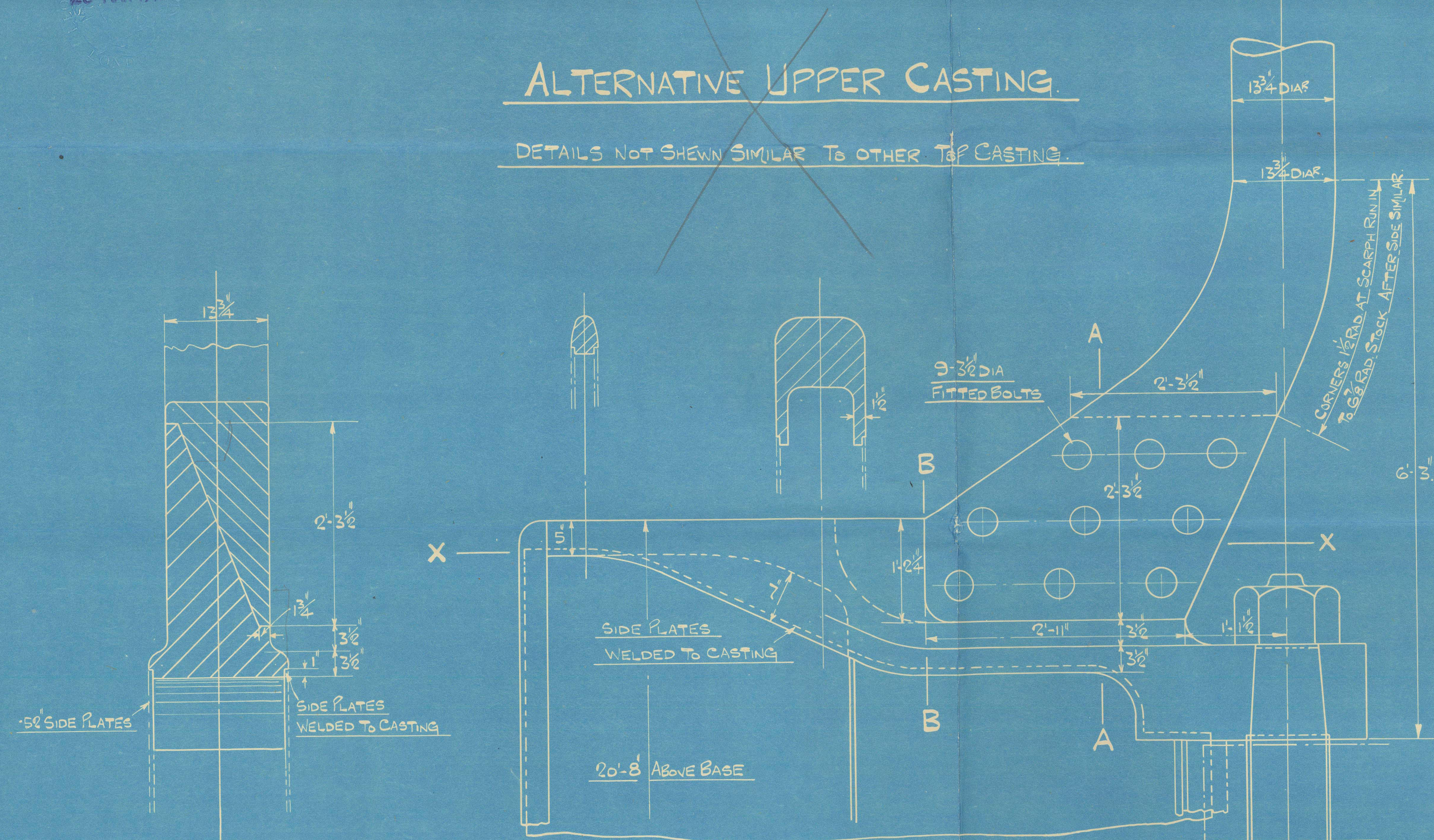
RUDDER PLAN

SCALE 1" = 1 FOOT.

AREA OF RUDDER (TO \pm OF PINTLES) = $19'6" \times 8'6" = 161.5$ SQ FT	
C. of G. OF AREA ABAFT PINTLES = 4.25 FT	
$A \times D = 161.5 \times 4.25 = 686.375$	
SPEED = 15 KNOTS.	
RUDDER STOCK = $13\frac{3}{4}$ DIA	

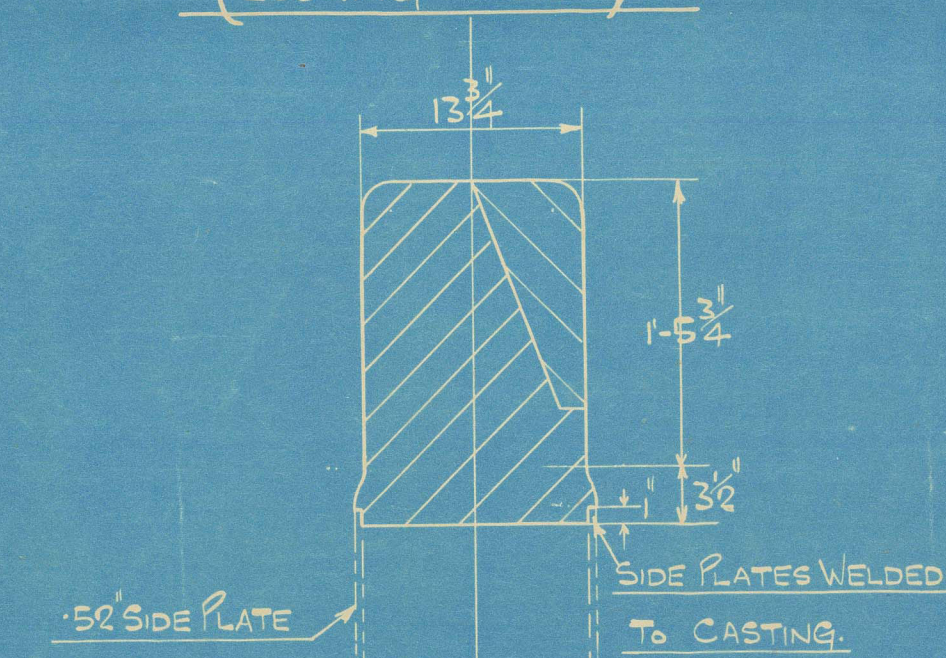
ALTERNATIVE UPPER CASTING

DETAILS NOT SHOWN SIMILAR TO OTHER TOP CASTING.



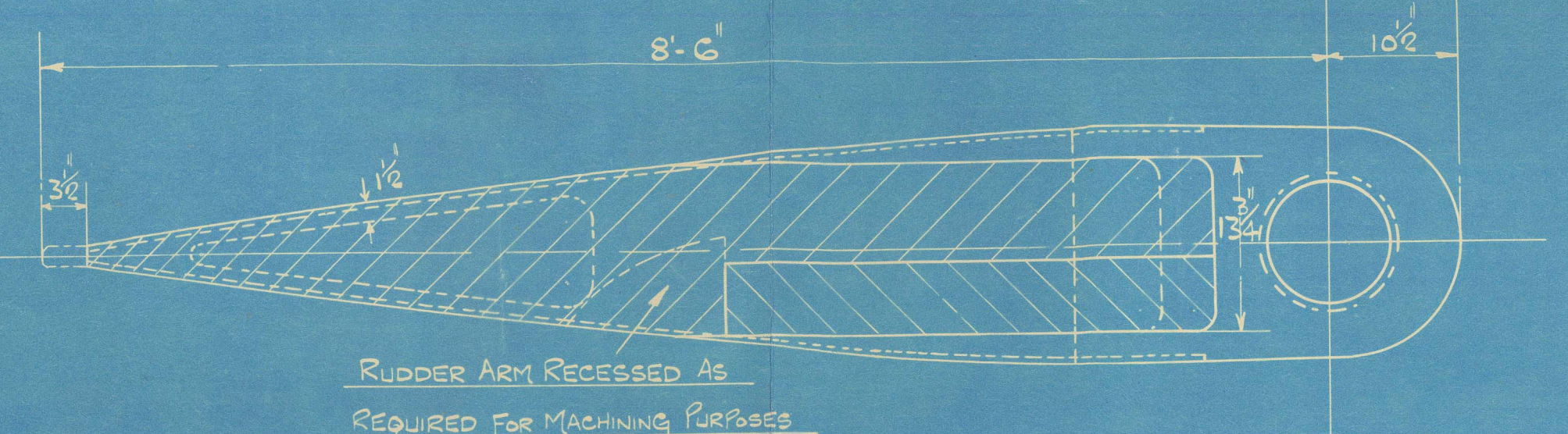
SECTION AT A-A

(LOOKING FORB)

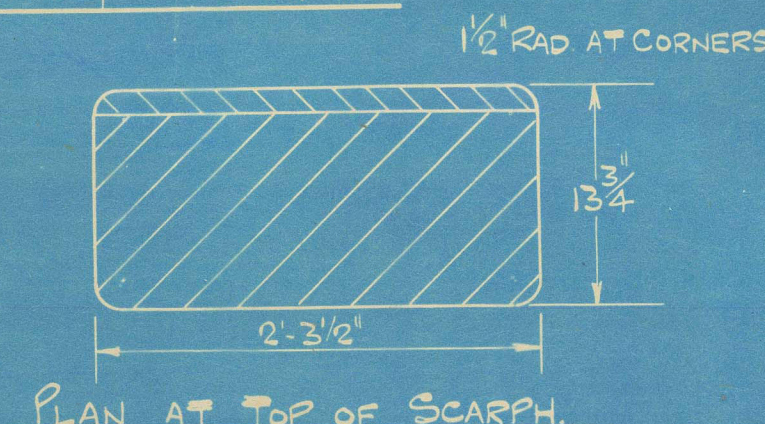


SECTION AT B-B

(LOOKING FORB)



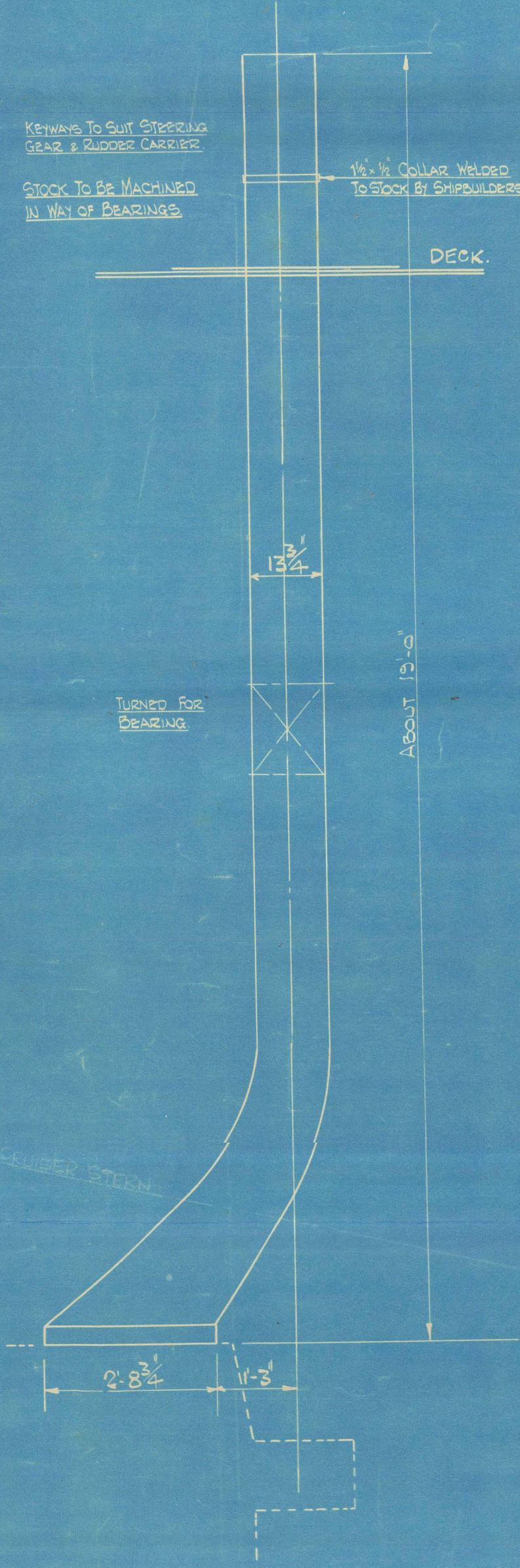
PLAN VIEW OF UPPER CASTING AT X-X.



PLAN AT TOP OF SCARP.

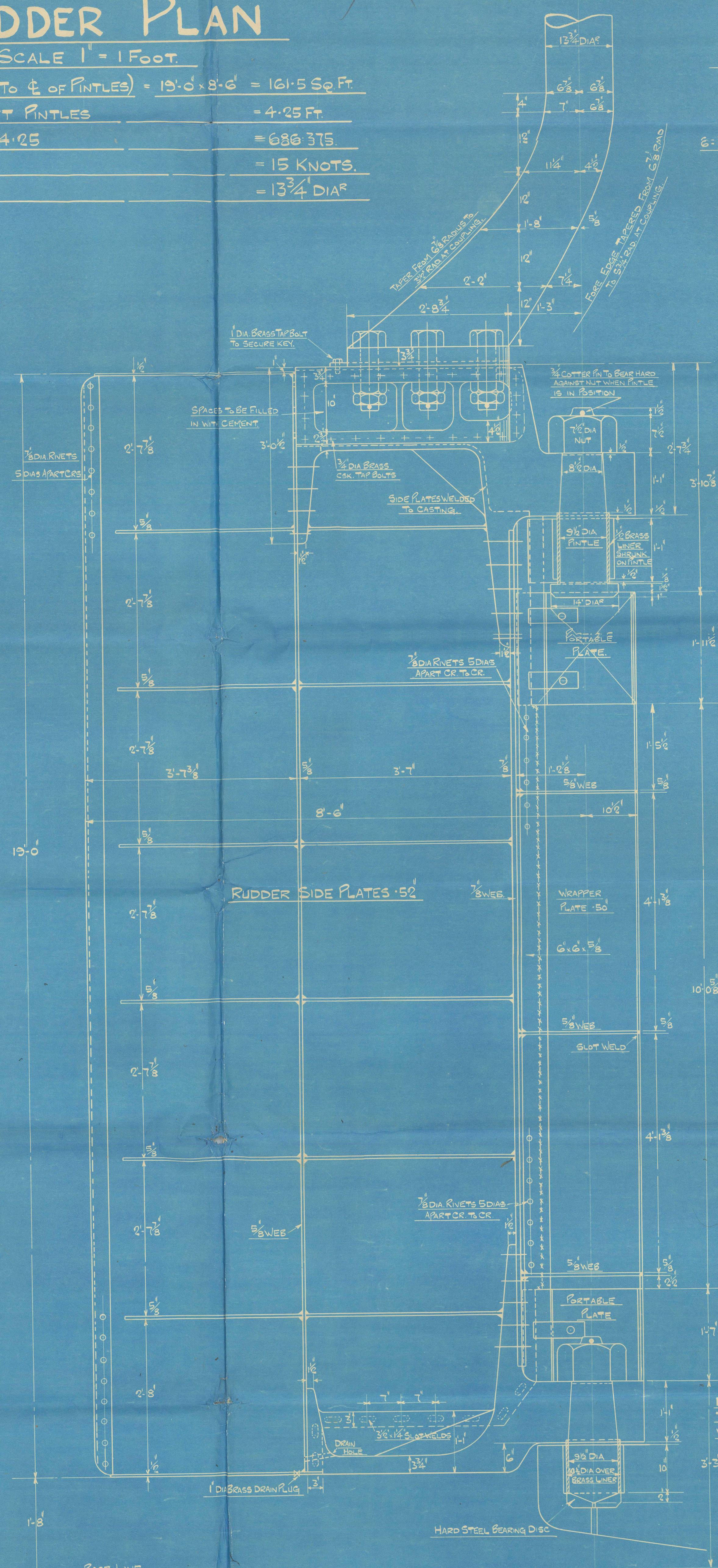
- NOTES**
- RUDDER ARMS OF CAST STEEL.
 - RUDDER STOCK OF FORGED STEEL.
 - ALL TO BE IN ACCORDANCE WITH THE REQUIREMENTS AND TESTS OF LLOYD'S REGISTER OF SHIPPING AND TO BE INSPECTED AND PASSED BY LLOYD'S SURVEYOR BEFORE LEAVING MAKERS WORKS.
 - DIMENSIONS TO BE CAREFULLY WORKED TO AS WE PAY.
 - ONLY ON WEIGHTS CALCULATED TO THESE SIZES.
 - WRITTEN DIMENSIONS ONLY TO BE TAKEN.
 - EXPPOSED EDGES OF CASTINGS TO BE ROUNDED OFF.
 - PATTERNS TO BE SUPPLIED BY MAKERS.
 - ALL MACHINING AND DRILLING TO BE DONE BY MAKERS.
 - SHIPBUILDERS TO BE INFORMED OF ANY PROPOSED DEPARTURE FROM THIS DRAWING AND SAME TO BE AGREED TO BEFORE PARTS ARE MADE.
 - SURFACES TO WHICH PLATING IS ATTACHED ARE TO BE FLAT AND FAIR, MACHINED AND DRESSED AS NECESSARY.
 - RUDDER MAKERS TO SUPPLY SHIPBUILDERS (FOR STEERING GEAR MAKERS) WITH GAUGE OF STOCK DIA.
 - SPACING OF ARMS TO BE TO SUIT STERNFRAME AS CAST (THIS DIMENSION LATER).

Internal surface of rudder stock to be machined and dressed as necessary.

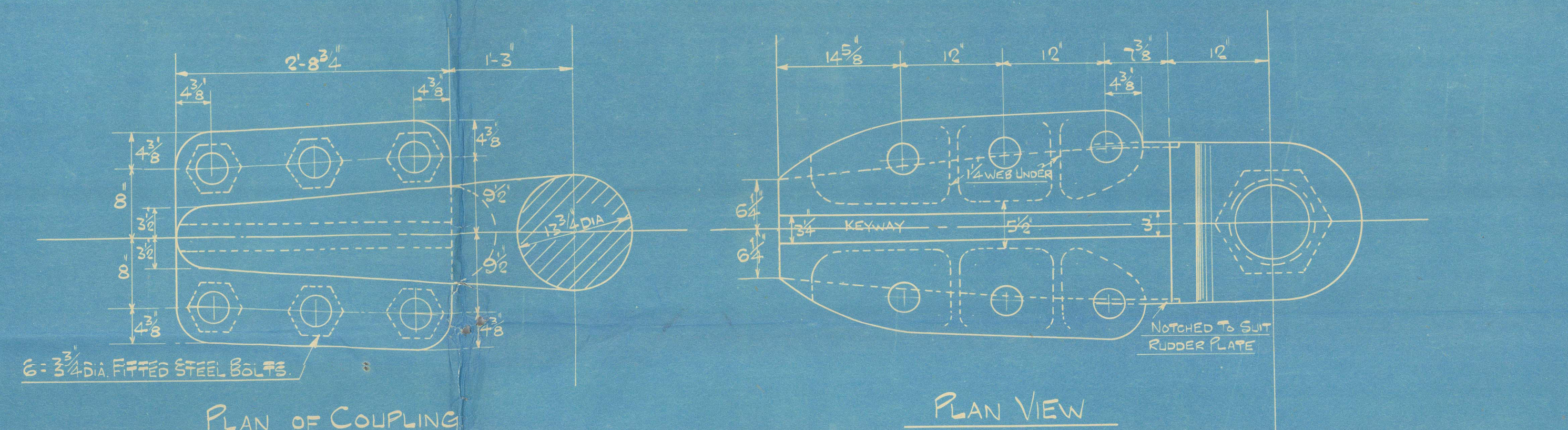


RUDDER STOCK.

SCALE 1/2" = 1 FOOT.



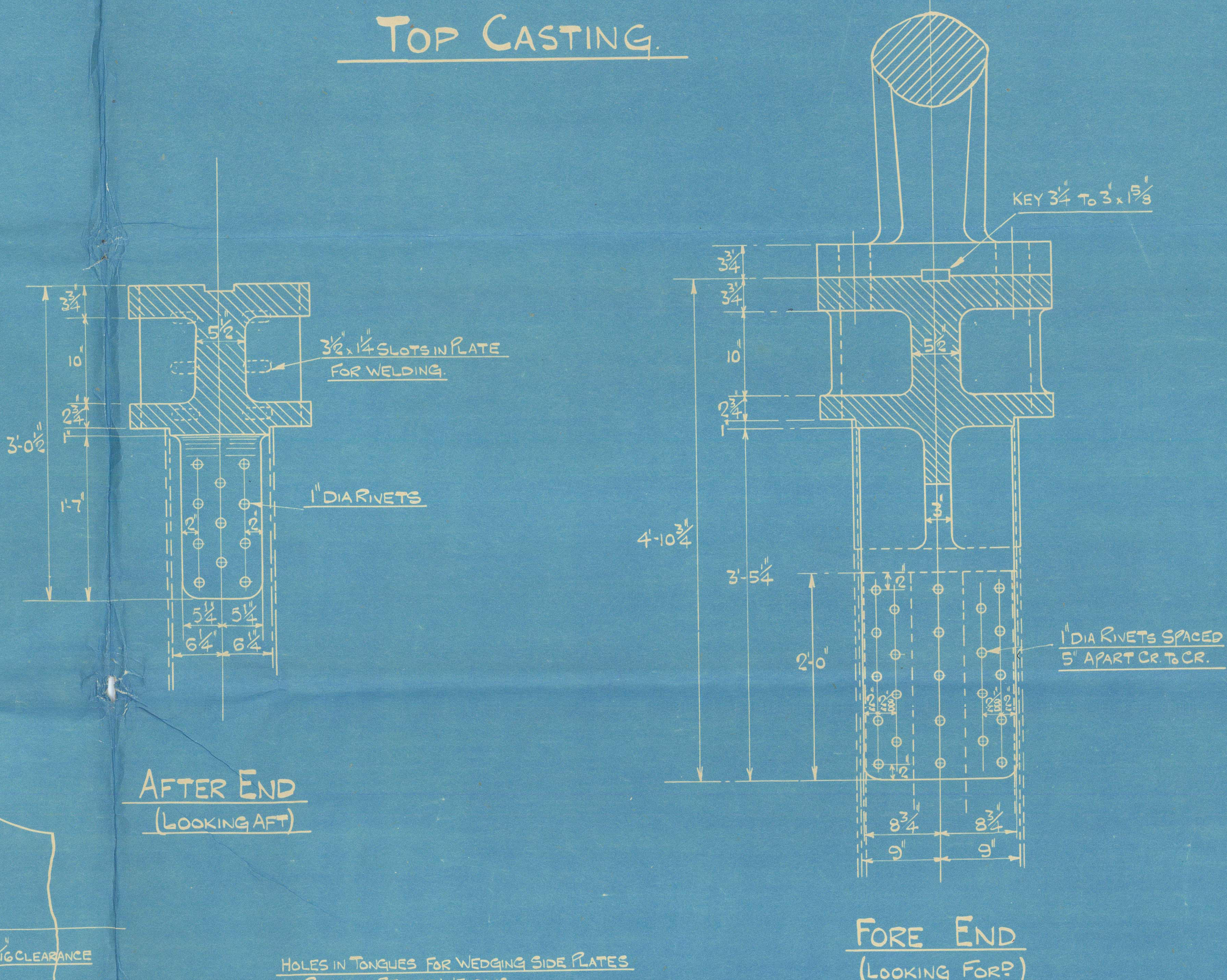
PLAN VIEW OF LOWER CASTING



PLAN OF COUPLING

PLAN VIEW

TOP CASTING.



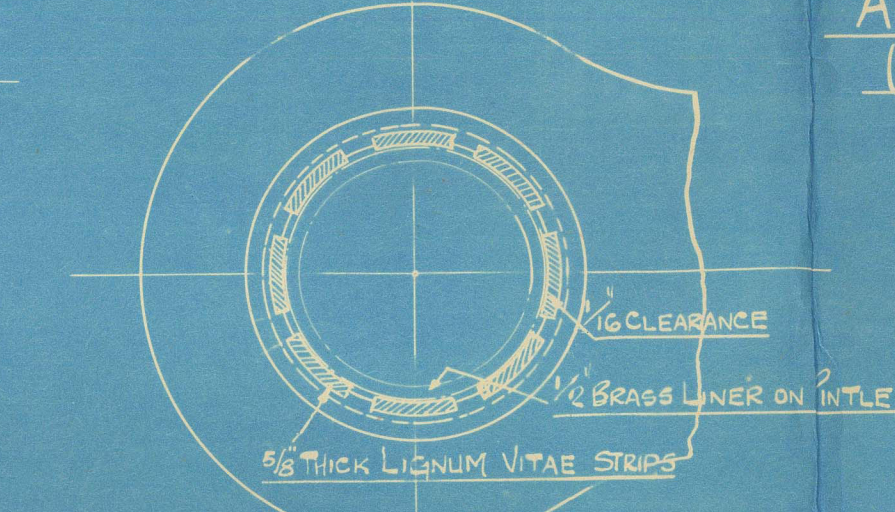
AFTER END

(LOOKING AFT)

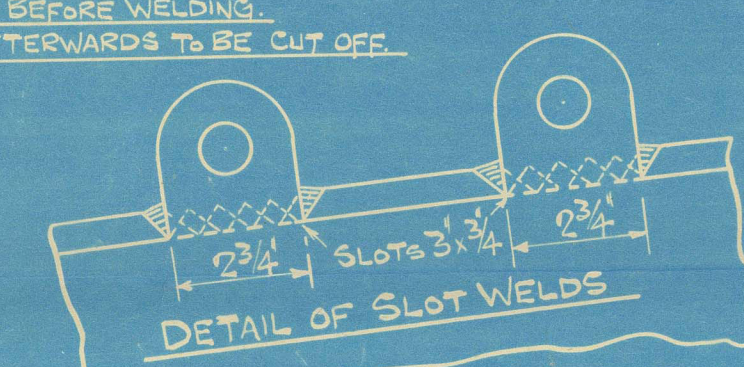
FORE END

(LOOKING FORB)

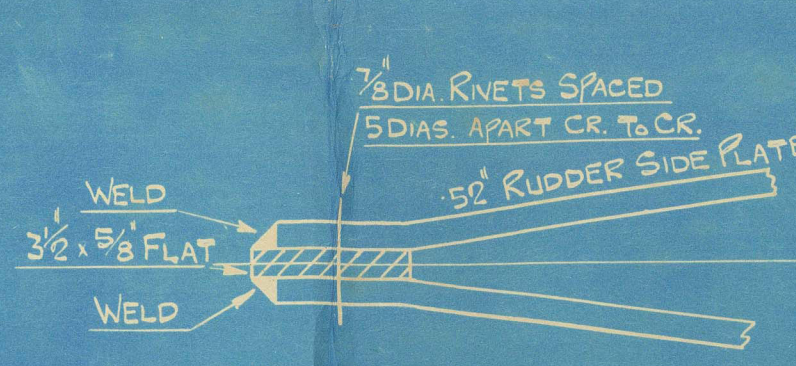
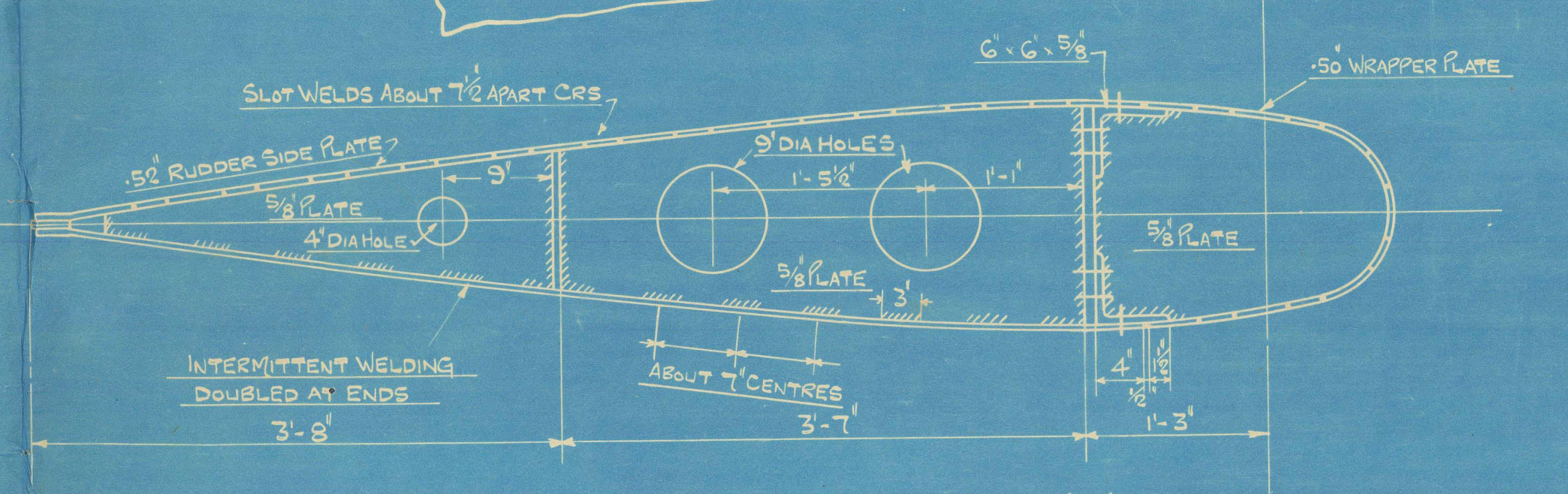
PLAN OF STERNFRAME GUIDES.



HOLES IN TOPPLING FOR WELDING SIDE PLATES IN POSITION BEFORE WELDING. DIMENSIONS AFTERWARDS TO BE CUT OFF.

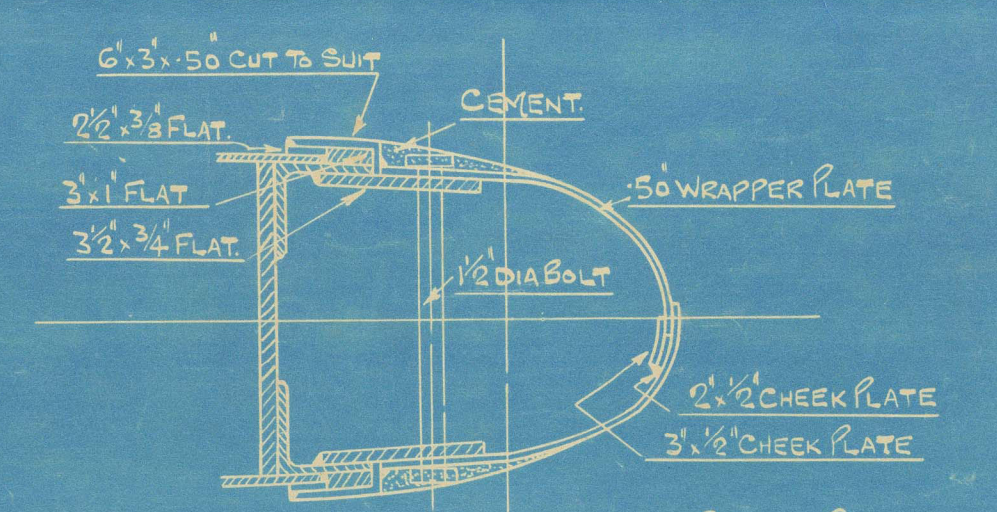


SECTION THRU RUDDER IN WAY OF HORIZ. WEBS



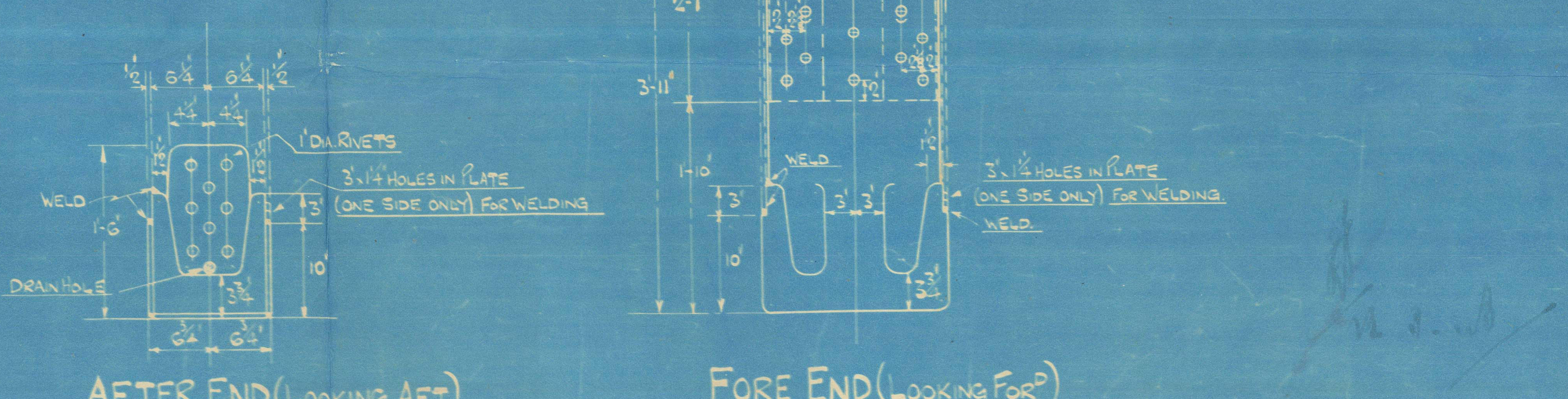
SECTION THRU BACKPIECE

SCALE 3/4" = 1 FOOT.



SECTION AT PORTABLE PLATE.

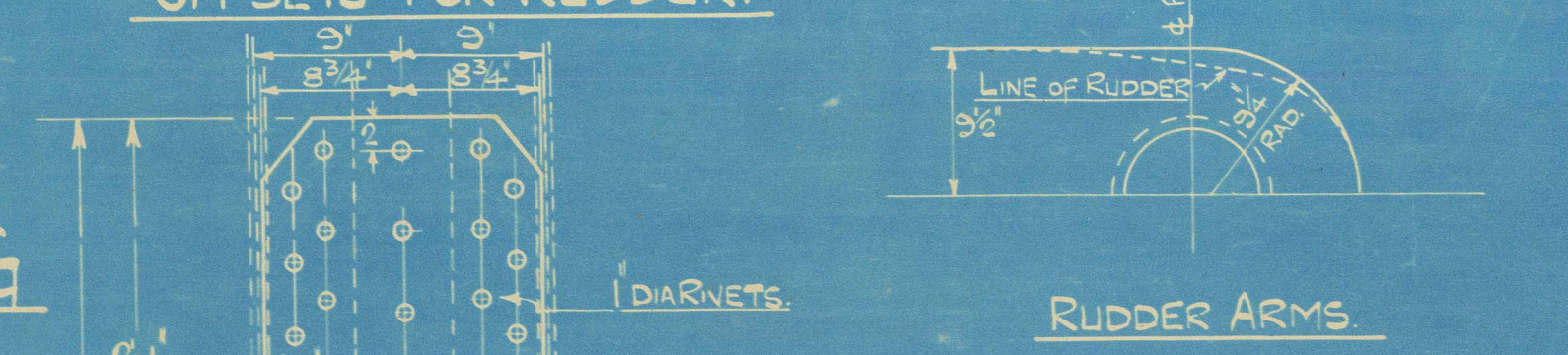
LOWER CASTING



AFTER END (LOOKING AFT)

FORE END (LOOKING FORB)

OFFSETS FOR RUDDER.



I. No 5357

